



GENERAL SAFETY CONSIDERATIONS

GENERAL INFORMATION

The safety measures described here are for guidance purposes only and are not comprehensive. Please check with your organization to develop a full safety plan suitable for the context in which you are applying the ESII Tool.

- 1 Abide by the facility operating discipline, safety procedures and regulations, which may include, but are not limited to, the following:
 - a. Understand the area safety plans and communication processes;
 - b. Wear any required personal protective equipment (PPE) while using the ESII Tool within the facility premises;
 - c. Make sure that facility personnel is aware of all equipment that will be used in the field;
 - d. Be aware of any hazardous or classified locations where the use of certain electrical devices may be restricted;
 - e. Follow applicable data recording restrictions (such as camera policy, facility intellectual property guidelines, cyber security etc.).
- 2 Do not walk and record data while looking at the iPad.
- 3 Make sure that you are stopped in a safe location before actively using the iPad.
- 4 Make sure someone else is aware of your presence/location. Take a mobile phone (or other communication device) for emergencies.
- 5 Have an understanding of the site routes of entry and possible hazards from walking the facility.
- 6 Protect yourself and the iPad from the elements (e.g. protective clothing, hydration, etc.).
- 7 Become familiar with potential natural hazards in the local flora and fauna and know how to avoid them (wildlife, poisonous plants, etc.).

ADDITIONAL INFORMATION

WALKING WHILE RECORDING DATA

"More than 1,000 pedestrians visited emergency rooms in 2008 after they were injured while using a cellphone to talk or text," writes THE TIMES's Casey Neistat. "That had doubled each year since 2006, according to a study conducted by Ohio State University," she continues. They provide some tips of their own via this half-joking, half-serious instructional video.

<http://www.thewire.com/technology/2012/01/how-safely-use-ipad-and-other-apple-products/47890/>

HOW TO REDUCE ELECTROMAGNETIC FIELD (EMF) EXPOSURE

Tips for reducing EMF exposure when using an iPad:

- Always use your iPad tablet on airplane mode (settings menu) when not connected to the Internet.
- Never use your iPad on your lap, or in close proximity to your body. Distance is critical. Its effects are exponential. Just a small increase in distance between you and your iPad translates to significantly less exposure.

HEAT

Direct sun on the front, black face of any iOS device can overheat it rapidly. You will probably feel the device become uncomfortably hot before the point where the device shuts itself off to prevent battery damage. Even if the device is powered down, you can permanently damage any Lithium Polymer battery in a few hours if the temperature is hot enough.

VISION

Bright light makes it harder to see the backlit screen and if you are wearing polarized sunglasses, you will see that the display is highly polarized. It's fun from a science experiment aspect, but bad for reading or color accuracy of the display.

IPAD PROTECTION

Use an OtterBox Defender case or similar, waterproof map bag or gallon size Ziploc bag to protect the iPad in harsh environments.

DATA PROTECTION

Visit these sites for more information:

- <http://www.networkworld.com/article/2199775/wireless/five-ipad-safety-tips.html>
- <http://woostergeologists.scotblogs.wooster.edu/2011/07/02/using-the-ipad-in-geological-fieldwork/>